

Pending claims after Amendment:

1 1. (Amended) A method in a telecommunications network for
2 downloading information to a selected mobile station, said
3 telecommunication network associated with a number of first cells
4 in a location area, wherein each first cell is associated with a
5 first communication system, wherein a given first cell has a
6 neighboring second cell associated with a second communication
7 system, and wherein both multimode and single mode mobile
8 stations are disposed to enter and move through said location
9 area into proximate relationship with said given first cell,
10 comprising the steps of:

11 receiving a registration procedure request from said
12 selected mobile station within said location area;

13 determining whether the selected mobile station is a
14 multimode mobile station capable of communicating with both the
15 first communication system and the second communication system or
16 whether the selected mobile station is a single mode mobile
17 station capable only of communicating with the first
18 communication system;

19 providing notice of said neighboring second cell to
20 said selected mobile station in response to said registration
21 procedure request if said selected mobile station is a multimode
22 mobile station while withholding said notice of said neighboring
23 second cell from the selected mobile station if said selected
24 mobile station is only capable of communicating with the first
25 communication system.

1 2. The method of Claim 1 wherein:
2 said selected mobile station commences measurements
3 directed to said second cell in response to said notice.

1 3. The method of Claim 1 wherein:
2 said step of providing notice comprises transmitting a
3 flag to said selected mobile station.

1 4. The method of Claim 3 wherein:
2 said flag comprises a single bit transmitted to said
3 selected mobile station by means of a BCCH carrier.

1 5. The method of Claim 1 wherein:
2 said step of providing notice comprises downloading a
3 list of first cells which respectively have second cell neighbors
4 to said selected mobile station.

1 6. The method of Claim 5 wherein:
2 said list is downloaded to said selected mobile station
3 in connection with a Location Area Updating procedure commenced
4 when said selected mobile station enters said location area.

1 7. The method of Claim 1 wherein said step of providing
2 notice comprises:

3 supplying a list of first cells in said location area
4 to said selected mobile station; and
5 downloading a pointer to said selected mobile station
6 to identify first cells on said list which respectively have
7 neighboring second cells.

1 8. The method of Claim 7 wherein:
2 said pointer is transmitted to said selected mobile
3 station by means of a BCCH carrier.

1 9. The method of Claim 1 wherein said step of providing
2 notice comprises:
3 transmitting a flag to said selected mobile station to
4 direct said selected mobile station to generate a download
5 request message; and
6 downloading information pertaining to said second cell
7 in response to said download request message.

1 10. The method of Claim 1 wherein:
2 at least some of said specified information comprises
3 intersystem cell reselection parameters which are downloaded to
4 said selected mobile station by means of a MM specific
5 procedure.

1 11. (Amended) The method of Claim 1 wherein:
2 said first communication system comprises the GSM, and

3 said second communication system comprises the [UTMS] UMTS.

1 12. The method of Claim 11 wherein:

2 at least some of said specified information comprises
3 information needed by said selected mobile station to prepare for
4 handover and cell reselection from said GSM system to said UMTS
5 system.

1 13. The method of Claim 1 wherein:

2 said network downloads a list of second cells in said
3 location area to said mobile station during a location updating
4 procedure.

1 14. The method of Claim 1 wherein:

2 at least some of said specified information comprises
3 frequency and scrambling code combinations for each second cell
4 within said location area, each of said frequency and scrambling
5 code combinations being downloaded to said mobile station by
6 means of a MM specific procedure.

1 15. (New) The method of Claim 11, wherein said registration
2 procedure is one of:

3 Location Updating performed when the selected mobile
4 station enters the location area;

5 Periodic Location Registration;

6 IMSI attach/detach; and

7

Routing Area Update.

1 16. (New) The method of Claim 11, wherein said notice is
2 provided by downloading UMTS neighboring cell information for
3 said Location Area to the selected mobile station.

1 17. (New) The method of Claim 16, wherein said UMTS
2 neighboring cell information includes frequency and scrambling
3 code combinations, together with intersystem cell reselection
4 parameters for all UMTS neighboring cells within said Location
5 Area.

1 18. (New) The method of Claim 16, wherein said UMTS
2 neighboring cell information includes information about a service
3 capability of UMTS cells.

1 19. (New) The method of Claim 11, wherein said notice is
2 provided by downloading a list of GSM cells that have UMTS
3 neighbors.

1 20. (New) The method of Claim 19, wherein additional UMTS
2 neighboring cell information is downloaded to the selected mobile
3 station upon said mobile station performing Location Updating
4 based on the pre-stored list of GSM cells that have UMTS
5 neighbors.

1 21. (New) The method of claim 3, further comprising the
2 step of performing measurements of at least one UMTS neighboring
3 cell in response to said flag.

1 22. (New) The method of claim 21, wherein said flag is
2 transmitted by means of a BCCH carrier.

1 23. (New) The method of claim 9, wherein said flag is
2 transmitted by means of a BCCH carrier.